

Instructions for connecting a MiFi to a CradlePoint MBR95/MBR2100B

In this example the CradlePoint MBR95 Router has a SSID set to xterra.

The Verizon MiFi device SSID is set to (Verizon MIFI4510L AA59).

Note: Menus for MBR2100B may include additional options not supported by the MBR95

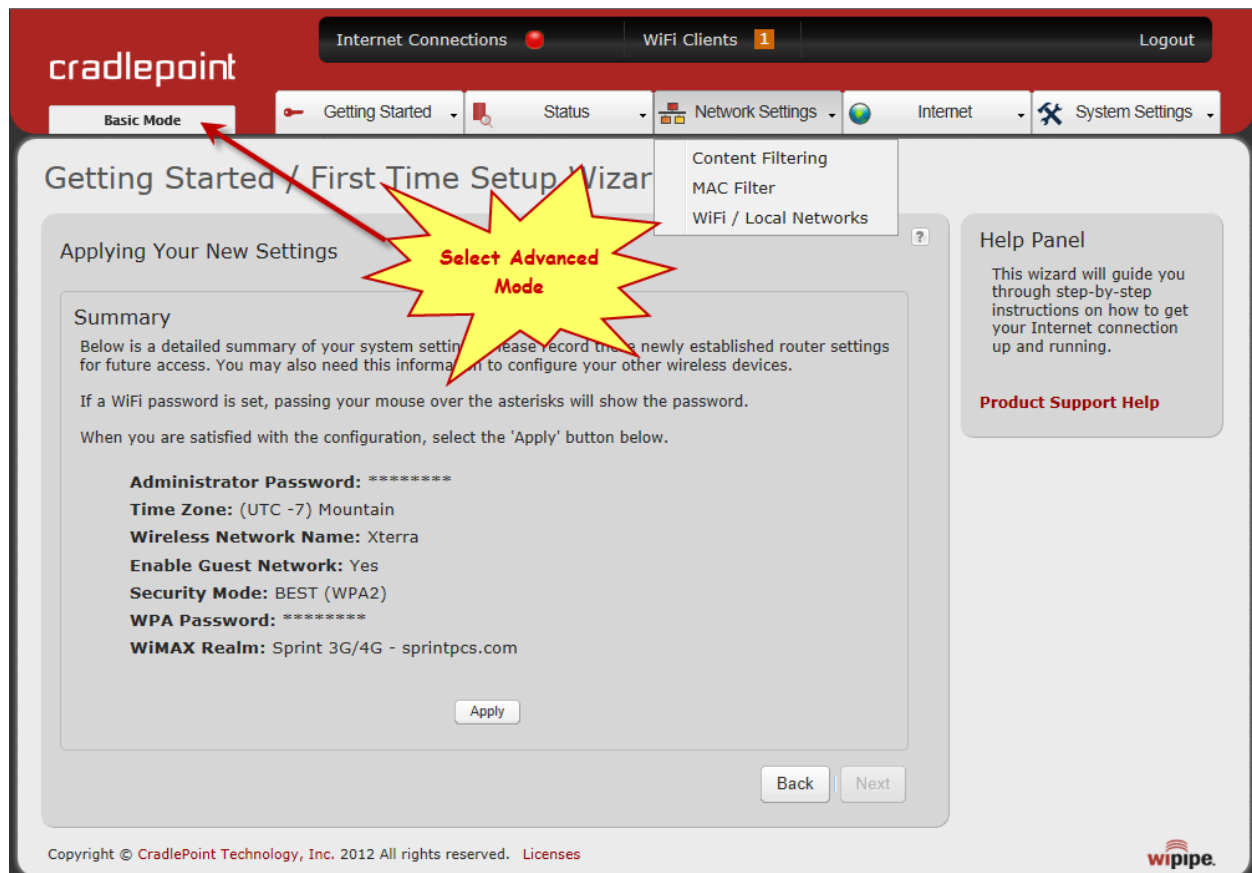
Step 0. Connect a RJ-45 cable from the PC to one of the yellow ports on the Router.

Step 1. Power on the CradlePoint Router. Give the router a minute or two to boot up.

Step 2. Start a browser web (e.g. Internet Explorer).

Step 3. Type “cp/” or “192.168.0.1” in the browser address. Enter the administrator password.

Step 4. The default mode is “Basic Mode” for the MBR95. With a left mouse click, switch to “Advanced Mode” **Note :** Skip “Step 4” if a MBR2100B is being used.



Step 5. Select “WiFi as WAN” under the “Internet” tab.

Note : MBR2100, Select “WiFi as WAN/Bridge”

The screenshot displays the Cradlepoint MBR95 router configuration interface. The top navigation bar includes 'Internet Connections', 'WiFi Clients', and 'Logout'. The main menu shows 'Getting Started', 'Status', 'Network Settings', 'Internet', and 'System Settings'. The 'Internet' tab is active, showing a dropdown menu with 'Connection Manager', 'Data Usage', and 'WiFi as WAN' (highlighted with a red arrow). A yellow starburst graphic with the text 'Select "WIFI as WAN" under' points to the 'WiFi as WAN' option. The main content area is divided into three sections: 'Router Information', 'Internet', and 'Local Networks'. The 'Router Information' section lists details such as Product (MBR95), Serial (MM120221400981), Firmware (v3.6.3), Build Date (2012-06-22-11-17-39), CPU Usage (10%), Up Time (0 days, 0 hours, 42 mins), and Clock (Thu Jan 10 16:02:03 MST 2013). The 'Internet' section shows State (Connected), WAN Type (WiFi as WAN), Connected Time (0:31:05), IP Address (192.168.0.2), Gateway (192.168.0.1), and DNS Servers (192.168.0.1). The 'Local Networks' section lists Clients (1), Primary LAN (192.168.0.1/255.255.255.0), Route Mode (NAT), Access (Admin Access, UPnP, DHCP), Guest LAN (192.168.10.1/255.255.255.0), Route Mode (NAT), and Access (LAN Isolation, UPnP, DHCP). A 'Router Alerts' section on the right indicates a new firmware version is available for download. The footer includes the copyright notice 'Copyright © CradlePoint Technology, Inc. 2012 All rights reserved. Licenses' and the 'wipipe' logo.

Router Information :: (Detailed Info)

Product: MBR95
Serial: MM120221400981
Firmware: v3.6.3 (2012-06-22)
Build Date: 2012-06-22-11-17-39
CPU Usage: 10%
Up Time: 0 days, 0 hours, 42 mins
Clock: Thu Jan 10 16:02:03 MST 2013

Internet :: (Detailed Info)

State: Connected
WAN Type: WiFi as WAN
Connected Time: 0:31:05
IP Address: 192.168.0.2
Gateway: 192.168.0.1
DNS Servers: 192.168.0.1

Local Networks :: (Detailed Info)

Clients: 1
Primary LAN: 192.168.0.1/255.255.255.0
Route Mode: NAT (Network Address Translation)
Access: Admin Access, UPnP, DHCP
Guest LAN: 192.168.10.1/255.255.255.0
Route Mode: NAT (Network Address Translation)
Access: LAN Isolation, UPnP, DHCP

Router Alerts

A new version of firmware is available to download [here](#)
Router firmware is updated from the [System Software](#) page.
Failover can be configured in the [Connection Manager](#).
Product Support Help

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wipipe.

Step 6. Look for the SSID of the WiFi (Verizon MIFI4510L AA59) under the Site Survey list. If the SSID is not showing up, try the “Refresh” option.

The screenshot shows the Cradlepoint Wipe configuration interface. The top navigation bar includes 'Internet Connections', 'WiFi Clients' (with a count of 1), and 'Logout'. The main menu has 'Advanced Mode', 'Getting Started', 'Status', 'Network Settings', 'Internet', and 'System Settings'. The current view is 'Internet / WiFi as WAN'.

Under 'WiFi Client Mode', 'WiFi as WAN' is selected. A usage note states: 'Usage: Profiles below will be available as WAN devices under [Connection Manager](#)'.

The 'Saved Profiles' section has buttons for 'Add', 'Edit', and 'Remove'. Below is a table with columns: Network, BSSID, Auth Mode, and Enabled.

The 'Site Survey' section has 'Refresh' and 'Import' buttons. Below is a table with columns: Network, BSSID, RSSI, Mode, Auth Mode, and Channel.

Network	BSSID	RSSI	Mode	Auth Mode	Channel
<input checked="" type="checkbox"/> Verizon MIFI4510L A...	00:15:ff:2c:aa:59	-25	b/g	wpa2psk/aes	4
<input checked="" type="checkbox"/> linksys	00:0f:66:95:b7:16	-50	b/g	wpa1psk/kip	6
<input checked="" type="checkbox"/> belkin.bda	08:86:3b:9b:7b:da	-68	b/g/n	wpa1wpa2psk/aes	7
<input checked="" type="checkbox"/> Home/Office	00:1c:b3:ae:fd:af	-90	b/g/n	wpa2psk/aes	1
<input checked="" type="checkbox"/> MOTOROLA-52E70	74:31:70:34:29:8c	-92	b/g/n	wpa2psk/kipaes	1
<input checked="" type="checkbox"/> laugh	00:23:69:bc:36:e7	-92	b/g	wpa1wpa2psk/kipaes	6
<input checked="" type="checkbox"/> Mine	00:1d:cd:e0:67:54	-94	b/g	wpa1psk/kip	1
<input checked="" type="checkbox"/> rachelcisco	00:23:69:e2:68:12	-94	b/g/n	wpa1wpa2psk/kipaes	11

The 'Wireless Scan Settings' section includes a 'Scan Interval' slider set to 60 seconds and a 'Scan While Connected' checkbox. 'Apply' and 'Undo' buttons are at the bottom.

A yellow starburst callout points to the first entry in the Site Survey table with the text: 'Look for the MiFi SSID'.

Help Panel: The router will connect to a remote WiFi access point for Internet connectivity. [Product Support Help](#)

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Step 7. The SSID for the MiFi should show up in the list of devices in range. Select the check box for Network (Verizon MIFI4510L AA59) and then select “Import”.

cradlepoint Internet Connections WiFi Clients 1 Logout

Advanced Mode Getting Started Status Network Settings Internet System Settings

Internet / WiFi as WAN

WiFi Client Mode: **WiFi as WAN** Disabled

Usage: Profiles below will be available as WAN devices under [Connection Manager](#)

Saved Profiles

Add Edit Remove

Network	BSSID	Auth Mode
<input checked="" type="checkbox"/> Network	BSSID	Enabled

Site Survey

Refresh Import

Network	BSSID	RSSI	Mode	Auth Mode	Channel
<input checked="" type="checkbox"/> Verizon MIFI4510L A...	00:15:ff:2c:aa:59	-25	b/g	wpa2psk/aes	4
<input type="checkbox"/> linxsys	00:0f:6b:05:b7:16	-50	b/g	wpa1psk/tkip	6
<input type="checkbox"/> belkin.b...	08:86:3b...		b/g/n	wpa1wpa2psk/aes	7
<input type="checkbox"/> Home/Office	00...		b/g/n	wpa2psk/aes	1
<input type="checkbox"/> MOTOROLA-52E70	00...		b/g/n	wpa2psk/kipaes	1
<input type="checkbox"/> laugh	00...		b/g	wpa1wpa2psk/kipaes	6
<input type="checkbox"/> Mine	00...		b/g	wpa1psk/tkip	1
<input type="checkbox"/> rachelcisco	00:23:69:e2:68:12	-94	b/g/n	wpa1wpa2psk/kipaes	11

Wireless Scan Settings

Scan Interval: 60 seconds

Scan While Connected: ☐

Apply Undo

Help Panel

The router will connect to a remote WiFi access point for Internet connectivity.

Product Support Help

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wipe.

Step 8. Enter the password for the MiFi device and then select “Submit”

The screenshot displays the Cradlepoint Wipe configuration interface. At the top, there is a navigation bar with the Cradlepoint logo and tabs for Internet Connections, WiFi Clients (1), and Logout. Below this is a secondary navigation bar with links for Getting Started, Status, Network Settings, Internet, and System Settings. The main content area is titled "Internet / WiFi as WAN".

Under "WiFi Client Mode", the "WiFi as WAN" option is selected. A usage note states: "Usage: Profiles below will be available as WAN devices under [Connection Manager](#)".

The "Saved Profiles" section includes an "Add" button and a table with columns: Network, BSSID, Auth Mode, and Enabled. The table lists several profiles, including "Verizon MIFI4510L AA59", which is selected.

A "Profile Editor" dialog box is open, showing the configuration for the selected profile:

- Network: Verizon MIFI4510L AA59
- BSSID: 00:15:ff:2c:aa:59
- Enabled: ☒
- Auth Mode: WPA2 Personal
- WPA Cipher: AES
- WPA Password: (empty field)

A "Submit" button is located at the bottom of the dialog box.

The "Site Survey" section on the left shows a list of detected access points, including "Verizon MIFI4510L AA59", "linksys", "belkin.bda", "Home/Office", "MOTOROLA-52", "laugh", "Mine", and "rachelcisco".

The "Wireless Scan Settings" section at the bottom shows a "Scan Interval" of 60 seconds and a "Scan While Connected" checkbox.

On the right side, a "Help Panel" provides information about "WiFi as WAN" and "Saved Profiles".

At the bottom of the interface, there is a copyright notice: "Copyright © CradlePoint Technology, Inc. 2012 All rights reserved. Licenses" and the Wipe logo.

Step 9. The MiFi SSID should now be listed under “Saved Profiles”.

The screenshot shows the Cradlepoint Advanced Mode interface. At the top, there's a navigation bar with 'Internet Connections', 'WiFi Clients' (with a count of 1), and 'Logout'. Below this is a secondary navigation bar with 'Getting Started', 'Status', 'Network Settings', 'Internet', and 'System Settings'. The main heading is 'Internet / WiFi as WAN'. Under this, there's a 'WiFi Client Mode' section with 'WiFi as WAN' selected and 'Disabled' as an option. A note states: 'Usage: Profiles below will be available as WAN devices under [Connection Manager](#)'. Below this is a 'Saved Profiles' section with 'Add', 'Edit', and 'Remove' buttons. A table lists the saved profiles:

<input type="checkbox"/>	Network	BSSID	Auth Mode	Enabled
<input type="checkbox"/>	Verizon MIFI4510L AA5...	00:15:ff:2c:aa:59	wpa2psk	Yes

Below the 'Saved Profiles' section is a 'Site Survey' section with 'Refresh' and 'Import' buttons. A table lists the site survey results:

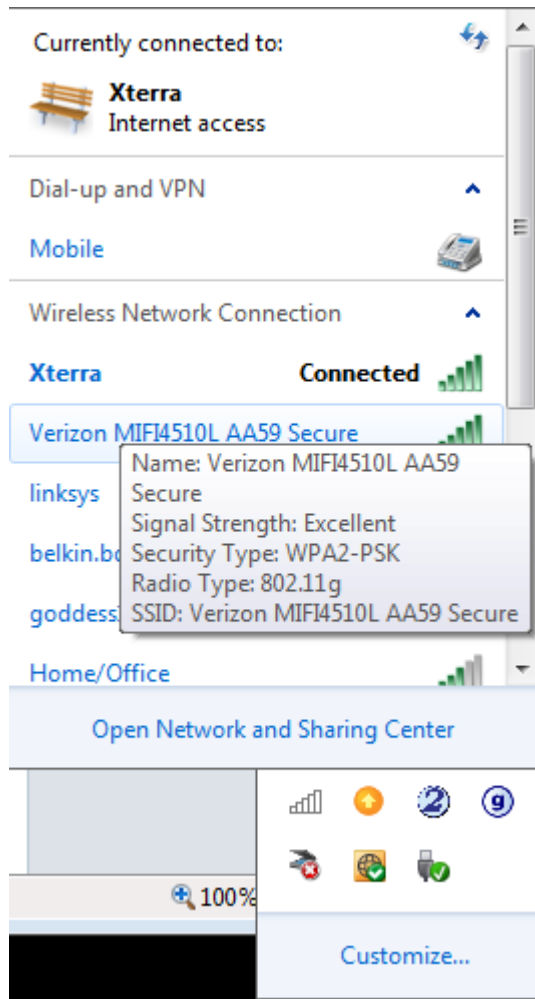
<input type="checkbox"/>	Network	BSSID	RSSI	Mode	Auth Mode	Channel
<input checked="" type="checkbox"/>	Verizon MIFI4510L A...	00:15:ff:2c:aa:59	-27	b/g	wpa2psk/aes	4
<input type="checkbox"/>	linksys	00:0f:66:95:b7:16	-60	b/g	wpa1psk/tkip	6
<input type="checkbox"/>	belkin.bda	08:86:3b:9b:7b:da	-66	b/g/n	wpa1wpa2psk/aes	7
<input type="checkbox"/>	Home/Office	00:1c:b3:ae:fd:af	-84	b/g/n	wpa2psk/aes	1
<input type="checkbox"/>	laugh	00:23:69:bc:36:e7	-92	b/g	wpa1wpa2psk/kipaes	6

On the right side, there's a 'Help Panel' with 'WiFi as WAN' and 'Saved Profiles' sections. The 'WiFi as WAN' section explains that when in this mode with a configured profile, the router will use a remote WiFi access point for Internet connectivity. The 'Saved Profiles' section explains that access points configured to automatically connect to will be attempted, and if more than one is in range, the highest priority will be used.

Step 10. Test the internet connection.

The screenshot shows a web browser window with the address bar displaying 'http://www.yahoo.com/'. The browser has multiple tabs open, including 'First Tech Federal Credit U...', 'USDA FS connectHR Selec...', and 'Federal News Radio 1500 ...'. The main content area shows the Yahoo! logo and a search bar. At the bottom, there's a date 'Thursday, January 10, 2013' and links for 'SIGN IN' and 'MAIL'.

Step 11. Depending the distance form the devices, the SSID for the MBR95 (Xterra) and the MiFi (Verizon MIFI4510L AA59) will be visible. Network access is different for these two connections.



Step 12. Test the data speed (e.g. www.speedtest.net).